

**Amendments' to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A urethane prepolymer, which is impregnated into or coated onto a supporting layer to make an adhesive polymer for an adhesive material of a printing relief, is determined by the following chemical formula [I]:

A-O-CONH-B-NHCO-

$\{-\{O-C_pH_q-(O-CO-C_rH_s-CO-O-C_pH_q)-O-CONH-B-NHCO\}_r(O-D-O-CONH-B-NHCO)_v-$

$\{-\{O-C_pH_q-(O-CO-C_rH_s-CO-O-C_pH_q)-O-CONH-B-NHCO\}_u\}_w-O-E \quad \dots\dots[I]$

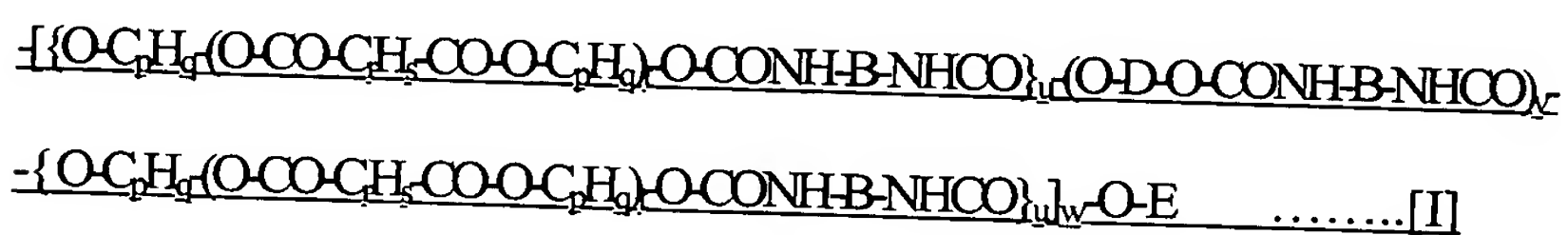
wherein A-O- is either one of a dehydrogenated remaining group selected from hydroxyalkyl(meth)acrylate, hydroxyalkyl vinyl ether and epoxide including hydroxy group; -B- is a depolyisocyanagated remaining group of organic polyisocyanate;  $-O-C_pH_q-(O-CO-C_rH_s-CO-O-C_pH_q)_t-O-$  is a dehydrogenated remaining group of a polyester polyol having a number average molecular weight of 500-5000, of which p is a number of 1-36, q is a number of 2-72, r is a number of 10-34, s is a number of 20-68 and t is a number for making the number average molecular weight; -O-D-O- is either one of a dehydrogenated remaining group selected from alkylene glycol, dimer diol, diol including ester group, diol including carboxy group or the foregoing  $-O-C_pH_q-(O-CO-C_rH_s-CO-O-C_pH_q)_t-O-$ ; -O-E is either one of a dehydrogenated remaining group selected from alkyl alcohol, hydroxy carboxylic acid or hydroxy carboxylic acid ester, or is identical to the foregoing A-O-; and u is a number of 1-50, v is a number of 0-50, and w is a number of 1-10.

2. (Original) The urethane prepolymer as determined in claim 1 characterized that a number average molecular weight thereof is 3000-100000.

3. (Previously Presented) A spray comprising a can containing urethane prepolymer in accordance with claim 1, with high pressure liquid gas for spraying.

4. (Currently Amended) An adhesive material, to fix a relief resin film onto a printing base of a printing machine, comprising a supporting layer and an adhesive polymer ~~polymerized polymer, polymerized~~ and cured from an urethane prepolymer in accordance with claim 1 and impregnated into or coated onto the supporting ~~layer~~, wherein the urethane prepolymer, which is impregnated into or coated onto a supporting layer to make an adhesive polymer for an adhesive material of a printing relief, is determined by the following chemical formula [I]:

A-O-CONH-B-NHCO-



wherein A-O- is either one of a dehydrogenated remaining group selected from hydroxyalkyl(meth)acrylate, hydroxyalkyl vinyl ether and epoxide including hydroxy group; -B- is a depolyisocyanagated remaining group of organic polyisocyanate; -O-C<sub>p</sub>H<sub>q</sub>-(O-CO-C<sub>r</sub>H<sub>s</sub>-CO-O-C<sub>p</sub>H<sub>q</sub>)<sub>t</sub>-O- is a dehydrogenated remaining group of a polyester polyol having a number average molecular weight of 500-5000, of which p is a number of 1-36, q is a number of 2-72, r is a number of 10-34, s is a number of 20-68 and t is a number for making the number average molecular weight; -O-D-O- is either one of a dehydrogenated remaining group selected from alkylene glycol, dimer diol, diol including ester group, diol including carboxy group or the foregoing -O-C<sub>p</sub>H<sub>q</sub>-(O-CO-C<sub>r</sub>H<sub>s</sub>-CO-O-C<sub>p</sub>H<sub>q</sub>)<sub>t</sub>-O-; -O-E is either one of a dehydrogenated remaining group selected from alkyl alcohol, hydroxy carboxylic acid or hydroxy carboxylic acid ester, or is identical to the foregoing A-O-; and u is a number of 1-50, v is a number of 0-50, and w is a number of 1-10.

5. (Currently Amended) The adhesive material according to claim 4 ~~wherein~~4,  
wherein said impregnated or coated urethane prepolymer is performed with a spray or a hot-  
melt coat.

6. (Currently Amended) The adhesive material according to claim 4 ~~wherein~~4,  
wherein said adhesive polymer is applied onto one side or both sides of said supporting layer  
through said impregnated or coated.

7. (Currently Amended) The adhesive material according to claim 4 ~~wherein~~4,  
wherein said adhesive polymer is applied onto both sides of said supporting layer and a shore  
A hardness of each adhesive polymer is a degree of 20 to 80 and a thickness thereof is 0.005  
to 15mm.

8. (Currently Amended) The adhesive material according to claim 4 ~~wherein~~4,  
wherein said supporting layer is one selected from a paper, a woven fabric, a non-woven  
fabric, a polyolefin resin film, a polyester film, a porous resin film and a cellulose base film  
strengthened with a resin.

9. (Currently Amended) The adhesive material according to claim 4 ~~wherein~~4,  
wherein said supporting layer is elastic.

10. (Currently Amended) The adhesive material according to claim 4 ~~wherein~~4,  
wherein said supporting layer is a foam film having a compressible elasticity.

11. (Currently Amended) The adhesive material according to claim 4 ~~wherein~~4,  
wherein said supporting layer is sheet-like and has a tensile strength of at least 1000 N/cm<sup>2</sup>  
and a thickness of 0.03 to 25 mm.

12. (Original) A printing relief, to be fixed onto a printing base made of a metal in a  
printing machine, comprising a relief film made of a resin and an adhesive material of which  
an adhesive strength to the metal is stronger than to the resin.

•13. (Previously Presented) A printing relief, to be fixed onto a printing base made of a metal in a printing machine, comprising a relief film made of a resin and an adhesive material of which an adhesive strength to the metal is stronger than to the resin characterized that the adhesive material is the adhesive material of claim 4.

14. (Original) The printing relief as set forth in claim 12 characterized that a shape thereof is cylindrical.